

[54] INTRAOCULAR AND CONTACT LENS CONSTRUCTION

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[57] ABSTRACT

The invention contemplates effectively integral lens-and-haptic structure and a technique of making the same, using composite laminated sheet material as the only ingredient of the ultimate product, which may be an intraocular implant or for extraocular (i.e., cornea-contact) application. The composite sheet material is of substantially the combined ultimate thickness of the lens and haptic, one of the laminations being of a material destined to be substantially only the lens component, and another of the laminations being of a material destined to be substantially only the haptic component. The lens-component lamination may be of optical-quality glass or of a transparent plastic which is inert to body fluids. Suitably coordinated masking and etching steps determine the contour of the ultimate central circular lens as well as the thickness and fenestration detail of the ultimate thin flexible haptic formations which are integral with and extend radially outward of the lens blank. Lens-surface curvature may be developed by conventional grinding techniques or by die compression, as appropriate.

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13 Claims, 13 Drawing Figures

